

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 24/Dec/2023 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	140.491	3569.154	1) Gujrat	-3.344	-35.600
2) Hydro	3.204	144.795	2) Madhya Pradesh	1.461	101.003
3) Gas	7.057	152.115	3) Chattisgarh	6.400	166.240
Total MSPGCL	150.752	3866.064	4) Maharashtra	159.352	4035.204
B) 1) APLM	75.295	1029.513	5) Goa (Amona)	-1.430	-33.831
2) JSWEL	24.314	559.438	Total	162.439	4233.016
3) VIPL	0.000	0.000	a) Mumbai Schedule	29.806	771.104
4) RPL(AMT)	26.904	593.991	b) Mumbai Drawl	33.755	862.642
5) SWPGPL	11.327	249.083	c) MSEDCL Bilateral *	68.927	1712.654
6) Other IPP	42.111	970.100	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	29.806	771.083
C) 1) TPCL Thermal	11.071	275.523	Include PX	0.000	0.000
2) TPCL Hydro	2.293	73.568	Standby	0.000	0.022
3) TPCL Gas	0.000	46.012	H) ENERGY CATERED (MUs)		
4) AEML Thermal	4.526	190.076	1) MSEDCL	478.062	10951.495
D) STATE			2) Mumbai Discoms	51.645	1447.816
1) Thermal	336.039	7436.878	3) Other Discoms	9.884	242.544
(A1+C1+C4+(B1-B6))			TOTAL STATE	539.591	12641.855
2) Hydro	5.497	218.363			
(A2+C2)					
3) Gas	7.057	198.127			
(A3+B7+C3)					
4) Wind	14.415	253.431			
6) SOLAR	14.144	302.045			
TOTAL STATE	377.152	8408.844			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 11 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 23 Hrs
MSPGCL Thermal	6960	6081	6500	4761
MSPGCL Hydro	212	95	121	100
MSPGCL Gas	293	281	289	299
MSPGCL Total Generation	7465	6457	6910	5160
Central Sector Receipt	7758	7291	6942	6085
WIND	341	347	872	914
CPP / IPP Thermal	7912	7695	7891	6620
CPP / IPP Gas	0	0	0	0
SOLAR	1937	2132	0	0
Exchange with Mumbai	-1382	-1519	-1539	-1535
MSEDCL DEMAND MET	23603	21990	20616	16849
Load Shedding	0	0	0	0
MSEDCL DEMAND	23603	21990	20616	16849
TPCL GENERATION	695	626	681	490
AEML GENERATION	251	214	176	164
MUMBAI DEMAND	2328	2359	2396	2189
OTHER DISCOM DEMAND	427	413	460	396
STATE DEMAND MET	26359	24762	23472	19434
STATE DEMAND	26359	24762	23472	19434
Frequency (Hz)	49.99	49.95	50.04	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.28 Hz at 06:02 Hrs	49.62 Hz at 08:19 Hrs	49.99	0 % of Time(min)

Note : The report is based on Operational Data and is for statistical purpose only.

Daily and Progressive Generation,Maximum,Minimum for 24/Dec/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.00	76.83	0	0
Unit 8	13.48	253.08	629	371
Unit 9	12.28	311.85	580	375
Unit 10	12.87	313.56	601	395
Total	38.62	955.32		
Bhusawal				
Unit 3	2.80	68.97	160	0
Unit 4	8.78	192.02	500	285
Unit 5	8.43	208.00	495	275
Total	20.02	468.99		
Parli				
Unit 6	3.78	50.74	208	140
Unit 7	3.88	52.43	227	143
Unit 8	3.77	50.25	208	143
Total	11.42	153.42		
Chandrapur				
Unit 3	3.17	69.24	155	120
Unit 4	3.05	64.22	149	98
Unit 5	7.82	188.60	430	285
Unit 6	0.00	134.54	0	0
Unit 7	6.33	160.72	298	227
Unit 8	9.26	238.20	480	281
Unit 9	9.74	240.88	482	308
Total	39.38	1096.39		
Paras				
Unit 3	0.00	109.27	0	0
Unit 4	4.99	126.88	218	200
Total	4.99	236.15		
Khaparkheda				
Unit 1	3.70	77.16	185	120
Unit 2	2.88	60.10	128	111
Unit 3	3.53	87.75	174	127
Unit 4	0.00	84.40	0	0
Unit 5	9.64	228.19	480	280
Total	19.74	537.61		
Nasik				
Unit 3	3.19	60.41	160	122
Unit 4	0.00	0.00	0	0
Unit 5	3.12	60.86	171	114
Total	6.32	121.27		
Uran				
All Units	7.06	152.12	303	278
Total	7.06	152.12		
PGPL				
Unit 1	0.00	0.00	0	0
Unit 2	0.00	0.00	0	0
Total	0.00	0.00		
PENCH (MS)				
Pench (MS)	0.20	5.19	43	0
Total	0.20	5.19		
Koyna				
Stage 1-2	1.26	37.41	145	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	0.00	9.76	0	0
Stage 3	0.15	10.88	144	0
Total	1.41	58.06		
Hydro				
KDPH	0.00	9.88	0	0
VTRNA	0.00	0.00	0	0
TILLARI	0.00	0.00	0	0
BHIRA T.R.	0.00	0.00	0	0
SMLHY_PTN	1.59	59.48	82	50
GHATGHAR	0.00	12.19	0	0
Total	1.59	81.55		
Wind				
Total	14.42	253.43	0	0
Total	14.42	253.43		
CPP				
APML(Mus)	75.30	1029.51	0	0
JSWEL(Mus)	24.31	559.44	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	26.90	593.99	0	0
SWPGPL-Mus	11.33	249.08	0	0
Dhariwal	0.00	0.00	0	0
IEPL	4.81	119.62	267	158
Other(Mus)	37.30	838.52	0	0
JPL	0.00	11.96	0	0
Total	179.95	3402.12		
SOLAR				
Total	14.14	302.04	0	0
Total	14.14	302.04		
Tata				
Trombay 5	7.29	183.95	414	262
Trombay 6	0.00	0.00	0	0
Trombay 7A	0.00	25.91	0	0
Trombay 7B	0.00	20.10	0	0
TATA Hydro	2.29	73.57	255	34
Trombay 8	3.78	91.58	209	131
Total	13.36	395.10		
AEML				
DTPS U-1&2	4.53	190.08	251	147
Total	4.53	190.08		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	140.49	3569.15	MSPGCL Total	150.75	3866.06
			MSPGCL Thml+Gas	147.55	3721.27	Koyna 1,2 & 4 Total	1.26	47.17
			MSPGCL Hydro	3.20	144.80	State Total	377.15	8408.84

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 24/Dec/2023

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP		SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDC L DEM. MET	Load Shedding		MSEDC L DEM. WITH LS	MUMBAI DEMAND	OTHER DISCOM DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS						Planned	*Transmission Constraint					
1	5098	122	303	5523	442	7212	0	0	6756	6289	-1468	17603	0	0	17603	2115	394	20113	49.95
2	4873	118	302	5293	423	7219	0	0	6749	6499	-1388	17678	0	0	17678	1992	368	20038	49.98
3	4995	118	303	5416	477	7225	0	0	6499	6361	-1293	17827	0	0	17827	1886	359	20072	49.97
4	5353	118	302	5773	537	7200	0	0	6228	6095	-1218	18046	0	0	18046	1815	341	20202	49.97
5	5423	118	303	5844	653	7216	0	0	6363	6425	-1197	18594	0	0	18594	1792	347	20734	49.99
6	5889	118	300	6307	680	7304	0	0	6848	6617	-1268	19259	0	0	19259	1859	381	21499	50.02
7	6194	118	302	6614	757	7745	0	2	6865	6686	-1286	20129	0	0	20129	1897	389	22415	50.10
8	6172	213	302	6687	786	7810	0	194	7106	7140	-1237	20962	0	0	20962	1946	418	23326	49.96
9	6877	152	302	7331	610	7952	0	810	6653	6812	-1155	21933	0	0	21933	2067	427	24427	49.84
10	6876	206	296	7378	324	7962	0	1480	7037	7361	-1305	22774	0	0	22774	2202	426	25402	49.91
11	6960	212	293	7465	341	7912	0	1937	7583	7758	-1382	23603	0	0	23603	2328	427	26359	49.99
12	6615	96	287	6998	363	7847	0	2083	8017	7538	-1443	22973	0	0	22973	2372	414	25758	49.98
13	6081	95	281	6457	347	7695	0	2132	7979	7291	-1519	21990	0	0	21990	2359	413	24762	49.95
14	5695	95	281	6071	337	7682	0	1989	7672	7419	-1557	21528	0	0	21528	2282	413	24223	50.00
15	6015	101	278	6394	312	7734	0	1673	7669	7309	-1502	21483	0	0	21483	2258	438	24178	50.02
16	6438	118	281	6837	343	7860	0	1207	7397	7078	-1531	21358	0	0	21358	2252	435	24046	50.02
17	6490	138	281	6909	446	7903	0	552	6937	6745	-1346	20758	0	0	20758	2243	451	23452	50.02
18	6636	142	283	7061	606	7890	0	85	6398	5912	-1145	19963	0	0	19963	2266	445	22674	50.05
19	6500	121	289	6910	872	7891	0	0	7328	6942	-1539	20616	0	0	20616	2396	460	23472	50.04
20	5873	265	294	6432	1045	7638	0	0	6892	6622	-1697	19585	0	0	19585	2402	455	22442	50.03
21	5130	119	297	5546	1007	7264	0	0	6571	6680	-1666	18391	0	0	18391	2340	440	21171	49.95
22	4773	101	297	5171	853	6751	0	0	6449	6437	-1609	17165	0	0	17165	2273	438	19876	50.00
23	4761	100	299	5160	914	6620	0	0	6392	6085	-1535	16849	0	0	16849	2189	396	19434	49.99
24	4774	100	301	5175	940	6418	0	0	6314	6338	-1469	16995	0	0	16995	2114	407	19516	49.98
MUs	140.49	3.20	7.06	150.75	14.41	179.95	0.00	14.14	166.70	162.44	-33.75	478.06	0.00	0.00	478.06	51.64	9.88	539.59	49.99

NOTE : ALL VALUES IN MW

Mumbai Net Exch is shown with reference to MSETCL system and (-) sign indicates MSETCL periphery to Mumbai system.

*Load Shedding due to Transmission Constraint :-

State Load Despatch Center,Airoli (MSETCL) Statement-VI

Details of Generating Unit Outages/Trippings for 24/Dec/2023

Position as on 6.30 Hrs of 25/Dec/2023

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
MSPGCL								
MSPGCL	Uran Unit 5	108	12/11/2022	13:23		Continued.	Major overhaul.	15/02/2024
MSPGCL	Koyna Unit 11	80	10/07/2023	09:40		Continued.	COH	15/01/2024
MSPGCL	Nasik Unit 4	210	19/11/2023	15:48	25/12/2023	08:15	Stator Earth Fault (Converted into AOH from 00:00 hrs dt.20/11/2023)	25/12/2023
MSPGCL	Koyna STG-IV Unit-3	250	24/11/2023	08:00		Continued.	Capital Overhauling	24/01/2024
MSPGCL	Koyna Unit 1	70	13/12/2023	15:54	25/12/2023	17:10	New excitation panel installation and commissioning work	23/12/2023
MSPGCL	Chandrapur Unit 7	500	25/12/2023	15:28		Continued.	Air heater basket replacement work(converted to planned outage from 00.00Hrs DT. 30-12-2023)	07/01/2024
Total Capacity MSPGCL		1218						
TPC-G								
TPC-G	Trombay 7B	60	20/12/2023	12:37		Continued.	Annual Overhaul	03/01/2024
TPC-G	Trombay 7A	120	20/12/2023	12:42		Continued.	Annual Overhaul	03/01/2024
Total Capacity TPC-G		180						
AEML								
AEML	AEML Unit 2	250	20/12/2023	10:54		Continued.	Annual Overhaul	20/01/2024
Total Capacity AEML		250						
Total Capacity PLANNED OUTAGE		1648						
FORCED OUTAGE								
MSPGCL								
MSPGCL	Uran Unit A0	120	07/09/2022	16:30		Continued.	TURBINE TRIPPED ON HIGH VIBRATIONS	31/08/2024
MSPGCL	Uran Unit 6	108	05/10/2023	00:29		Continued.	Gas shortage	
MSPGCL	Koradi Unit 6	210	21/12/2023	00:24	25/12/2023	11:40	Multiple test	26/12/2023
MSPGCL	Paras Unit 3	250	22/12/2023	16:19	25/12/2023	07:28	Governing System Problem.	24/12/2023
MSPGCL	Khaparkheda Unit 4	210	23/12/2023	01:00	25/12/2023	06:51	Both ID Fan tripped	24/12/2023
MSPGCL	Chandrapur Unit 6	500	23/12/2023	09:26		Continued.	Boiler Tube Leakage	25/12/2023
MSPGCL	Bhusawal Unit 3	210	23/12/2023	18:50	24/12/2023	02:00	Loss of fuel	24/12/2023
MSPGCL	Chandrapur Unit 5	500	25/12/2023	07:35	25/12/2023	09:45	Seal Oil Temperature High	25/12/2023
MSPGCL	Koradi Unit 6	210	25/12/2023	16:31		Continued.	Boiler Tube Leakage	29/12/2023
Total Capacity MSPGCL		2318						
IPP								
IPP	RPL(AMT) U-2	270	12/10/2023	07:59	24/12/2023	06:49	Tripped Due to Electrical protection opted.	24/12/2023
IPP	JPL Unit 1	150	24/12/2023	00:00	25/12/2023	10:30	Unavailability of Schedule	25/12/2023

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 24/Dec/2023

Position as on 6.30 Hrs of 25/Dec/2023

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Total Capacity IPP		420						
CENT.SECTOR								
CENT.SECTOR	Tarapur 1	160	08/01/2020	10:37		Continued.	Refueling. While refueling preparation, some repair works identified which are being executed before refueling.	01/04/2024
CENT.SECTOR	Tarapur 2	160	13/07/2020	04:38		Continued.	For cleaning of clogged basket strainer of cooling water system due to heavy ingress of debris from sea. The outage extended for repair and re-fueling.	01/05/2024
Total Capacity CENT.SECTOR		320						
Total Capacity FORCED OUTAGE		3058						
FORCED OUTAGE DUE TO NO PPA								
IPP								
IPP	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule.(NO PPA)	
IPP	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule (NO PPA)	
IPP	VIPL U-1	300	29/12/2018	00.30		Continued.	Coal Shortage. (NO PPA From 20.05.2019)	
IPP	VIPL U-2	300	17/01/2019	00.15		Continued.	Coal shortage.(NO PPA From 20.05.2019)	
Total Capacity IPP		988						
Total Capacity FORCED OUTAGE DUE TO NO PPA		988						

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 24/Dec/2023

Statement-VII

Position as on 6.30 Hrs of 25/Dec/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
500 KV LINE Outages/Trippings							
CHANDRAPUR - PADGHE POLE 1 & 2	IntraState	23/12/2023	21:08	25/12/2023	10:27	PO	Annual Maintenance work Earth Electrode, DC Breaker, DC Isolator, Diagnostic Testing, line Maintenance etc.
CHANDRAPUR - PADGHE HVDC POLE 1	IntraState	25/12/2023	15:39	25/12/2023	22:40	HT	Heavy oil leakage of converter transformer at padghe end.
400 KV MAINBAY Outages/Trippings							
400/11.5 KV 110MVA STN T/F 6A @ DEEPNAGAR	InterState	09/11/2023	15:36		Continued.	PO	For alignment work of 89L isolator of Station Transformer 6A
MAIN BAY - 418 OF IEPL @ KORADI-2	IntraState	29/09/2023	10:42			PO	1)Diagnostic testing of Circuit breaker 418-Q52. 2) Routine Maintenance work of Bay 418.
400 KV LINE Outages/Trippings							
400KV-PARLI NEW-PARLI-M-2	InterState	20/12/2023	12:11			HT	For ongoing project of "Upgradation of 400kv Line Bays (02 Nos) of Parli (PG) I&II at Parli (MSETCL) from existing current rating of 2000A to 3150A to suit the reconductoring with Twin HTLS�
SOLAPUR PG - ALKUD	InterState	24/12/2023	21:02	25/12/2023	17:11	T	Line tripped on distance protection.
BUS REACTOR (50MVAR) @ PARLI	IntraState	27/09/2023	15:30			PO	Replacement of old 50 MVar bus reactor by new 125 MVar bus reactor.
AURANGABAD(MS) - PUNE (GIS) CKT - 2	IntraState	26/11/2023	19:17			HT	HT Load Management
KHADKA-AURANGABAD (WALUJ)	IntraState	24/12/2023	20:03	25/12/2023	08:31	HT	H/T For voltage management.
JAIGAD - KARAD CKT - 1	IntraState	24/12/2023	20:57	25/12/2023	09:26	HT	H/T For Voltage management.
KHADKA-AURANGABAD (WALUJ)	IntraState	25/12/2023	20:28		Continued.	HT	H/T For voltage management
JAIGAD - KARAD CKT - 2	IntraState	25/12/2023	20:39		Continued.	HT	H/T For voltage management
400 KV ICT Outages/Trippings							
STATION TF No 3 @ CHANDRAPUR GCR	IntraState	01/03/2023	15:07			PO	1) Oil filtration work 2) Testing of Station transformer 3) Preventive maintenance work.
400/220/33 KV 500MVA ICT - 1 @ WARORA	IntraState	16/12/2023	10:30		Continued.	PO	Removing cable from TB and Glands in Panel for taking continuity test and confirming other cables also i.e control room to ICT , Control room to panel.
400/220/33 KV 500 MVA ICT - 3 @ KOLHAPUR	IntraState	25/12/2023	17:23		Continued.	PO	1. C & tan delta testing of Bushing & Wdg. 2. QM of HV & IV Bays 3. CB Testing work 4. NIFPS Trials 5. Supervisory protection trials
400/220/20 KV 500MVA ICT - 1 @ KALWA	IntraState	25/12/2023	19:51	25/12/2023	21:52	T	Tripped HV CB on PDR
220 KV LINE Outages/Trippings							
EKLAHARE (OCR) - PADGHE	IntraState	20/11/2023	17:31		Continued.	HT	HT for load management from Padghe end
DAHANU - GHODBUNDER CKT - 1	IntraState	21/12/2023	08:11	25/12/2023	13:36	PO	(1) AT DAHANU-Replacement of Bay marshalling box, LA Replacement Bay 08 Overhauling of Isolator -C Breaker PM PM & tan delta testing of Line CT / CVT. (2)High speed train project work by Project Team
PANDHARPUR - KHANAPUR	IntraState	25/12/2023	10:00	25/12/2023	18:30	PO	Outage is required for For cold line cleaning disc insulator string from loc No. 261 to 393.

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 24/Dec/2023

Statement-VII

Position as on 6.30 Hrs of 25/Dec/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
DAHANU - GHODBUNDER CKT - 2	IntraState	25/12/2023	14:21		Continued.	PO	Line Project: High speed train project work ADTPS: Bus -02 Isolator overhauling of Bay 09 LA Replacement Bay 09 Overhauling of Isolator -C Breaker PM PM & tan delta testing of Line CT / CVT.
GHODBUNDER - MSETCL BORIVALI	IntraState	25/12/2023	15:29	25/12/2023	17:38	T	Tripped on Distance protection.
220 KV ICT Outages/Trippings							
220 / 110 / 22kV 250 MVA ICT 1 @ SALSETTE	IntraState	12/10/2020	11:35			T	Tripped due to Grid disturbance.
220/33KV 100MVA PTR 2 @ 5 STAR MIDC, KAGAL	IntraState	25/12/2023	10:50	25/12/2023	16:45	PO	for SFRA testing and quarterly maintenance work on dt.25.12.2023
110 KV LINE Outages/Trippings							
SALSETTE POWAI	IntraState	27/03/2023	11:04			PO	Replacement of tower number 77 & 78 for TDS project work.
KALWA KALYAN	IntraState	19/12/2023	14:30		Continued.	PO	Tower erection at location no. 155, 156, 156A & 157, Conductor and tower dismantling in span 155 to 157, , & conductor stringing at loc. 155, 156,156A & 157 for Bullet Train Project.

HT : Hand Tripping, T : Tripping, PO : Planned Outage, EO : Emergency Outage